## **CLAIMS**

## What is claimed is:

- 1. A lighting fixture to illuminate a line of light, the lighting fixture comprising:
  - (a) a base;
  - (b) a plurality of LEDs (Light Emitting Diodes) mounted on the base, the LEDs being aligned sequentially in a line; and
  - (c) an elongated rod focusing lens, spaced from and parallel to the LEDs and adapted to focus light from the LEDs into a line of light.
- A lighting fixture as in Claim 1 and the fixture also comprising a reflector extending from the base to the focusing lens.
- A lighting fixture as in Claim 2 wherein the reflector comprises two opposite curved walls having reflective surfaces.
- 4. A lighting fixture as in Claim 1 wherein the LEDs are uniformly spaced and the spacing from the LEDs to the focusing lens being in the range of 2.5D to 3.5D, where (D) equals the diameter of the rod.
- 5. A lighting fixture as in Claim 1 wherein the LEDs are aligned in a straight row and the focusing lens is a glass or polymer plastic straight rod.
- 6. A lighting fixture as in Claim 1 wherein the lens is selected from the group consisting of: transparent rods, colored translucent rods, rods with surface treatment to diffuse light and rods with internal materials to diffuse light.
- 7. A lighting fixture to illuminate a line of light, the lighting fixture comprising:
  - (a) a base;
  - (b) a plurality of at least three LEDs (Light Emitting Diodes) mounted on the base, the LEDs being aligned sequentially in a line;

- (c) a first elongated rod focusing lens spaced from and parallel to the LEDs and adapted to focus light into a line of light; and
- (d) a second elongated rod focusing lens may be added, spaced from and parallel to the first focusing lens and adapted to focus light onto the first focusing lens.
- 8. A lighting fixture as in Claim 7 and the fixture also comprising a reflector extending from the base to the first focusing lens.
- A lighting fixture as in Claim 8 wherein the reflector comprises two opposite curved walls having reflective surfaces.
- 10. A lighting fixture as in Claim 7 wherein the LEDs are uniformly spaced, the spacing from the LEDs to the second focusing lens being in the range of 0.5D to 1.5D and the distance between the first focusing lens and the LED's being in the range of 2.5D to 3.5D.
- 11. A lighting fixture as in Claim 7 wherein the LEDs are aligned in a straight row.
- 12. A lighting fixture as in Claim 7 wherein each of the lenses is selected from the group consisting of:
  - transparent rods, colored translucent rods, rods with surface treatment to diffuse light and rods with internal materials to diffuse light.
- 13. A lighting fixture to illuminate a line of light, the lighting fixture comprising:
  - (a) a base;
  - (b) a plurality of at least three LEDs (Light Emitting Diodes) mounted on the base, the LEDs being aligned sequentially in a line;
  - (c) a first elongated rod focusing lens spaced from and parallel to the LEDs and adapted to focus light into a line of light;
  - (d) a second elongated rod focusing lens spaced from and parallel to the first focusing lens and adapted to focus light onto the first focusing lens;
  - (e) a battery; and

- (c) a switch which electrically connects the battery to energize the LEDs upon loss of AC power.
- 14. A lighting fixture as in Claim 13 and the fixture also comprising a reflector extending from the base to the first focusing lens.
- 15. A lighting fixture as in Claim 13 wherein the reflector comprises two opposite curved walls having reflective surfaces.
- 16. A lighting fixture as in Claim 13 wherein the LEDs are uniformly spaced, the spacing from the LEDs to the second focusing lens being in the range of 0.5D to 1.5D and the distance between the first focusing lens and the LED's being in the range of 2.5D to 3.5D.
- 17. A lighting fixture as in Claim 13 wherein the LEDs are aligned in a straight row.
- 18. A lighting fixture as in Claim 13 wherein each of the lenses is selected from the group consisting of:

transparent rods, colored translucent rods, rods with surface treatment to diffuse light and rods with internal materials to diffuse light.

- 19. A lighting fixture as in Claim 17, the fixture further comprising the second elongated focusing lens being positioned between the first lens and the LEDs and being a straight rod.
- 20. A lighting fixture as in Claim 13 wherein the battery is rechargeable and the fixture includes a battery charger.
- 21. A lighting fixture as in Claim 20 wherein the lenses are glass or polymer plastic straight rods and the LEDs are aligned in a straight row.